

# Unawweep Fire Use Module

Colorado BLM  
Grand Junction, Co

Home Unit



## UPPER COLORADO RIVER INTERAGENCY FIRE MANAGEMENT

USFS - White River National Forest  
BLM - Grand Junction  
USFS - Grand Mesa National Forest



# Unaweeep FUM Facts

- First Bureau of Land Management Fire Use Module
- Core crew of 7 members
  - Module Leader (PFT)
  - Assistant Module Leader (Career Seasonal)
  - Five Seasonal Crew Members
- Coordinator establishes priority and availability
- Season of Availability April 15-Oct. 15
- Received National FUM Status in August 2004
- Self sufficient (little to no logistical support needed)
- Highly trained and experienced personnel.

# Unaweeep FUM Mission



The purpose of the Unaweeep FUM is to provide land management agencies with a skilled, mobile, and mission specific workforce that is principally assigned to fire use incidents, prescribed fire projects, and wildland fire suppression incidents.

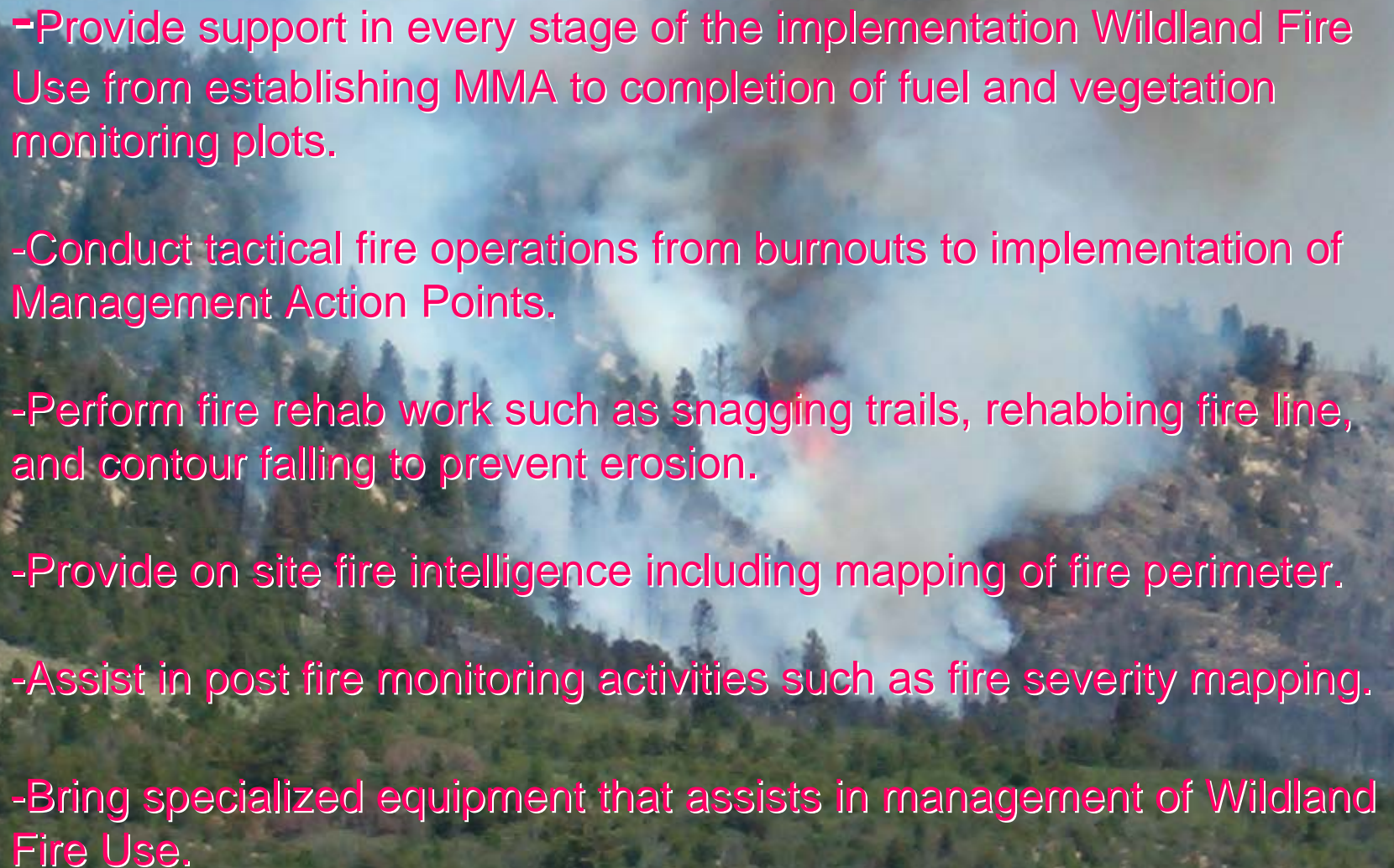


# What a Fire Use Module Can Assist with on Wildland Fire Use Assignments

- Fill key roles in Wildland Fire Use command structure from FEMO to FUM2. Assist in development WFIP at any stage.
- Provide monitoring with written, electronic, and photo documentation of fire use events.
- Monitor daily weather, smoke, fire behavior, fuel moisture and provide this information in a documentation package.
- Complete Structure Assessment and implement structure protection as needed.





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- A photograph of a wildfire burning on a hillside. Thick white and grey smoke rises from the fire, partially obscuring the sky. The foreground shows green vegetation, while the background shows the fire spreading across the hillside.
- Provide support in every stage of the implementation Wildland Fire Use from establishing MMA to completion of fuel and vegetation monitoring plots.
  - Conduct tactical fire operations from burnouts to implementation of Management Action Points.
  - Perform fire rehab work such as snagging trails, rehabbing fire line, and contour falling to prevent erosion.
  - Provide on site fire intelligence including mapping of fire perimeter.
  - Assist in post fire monitoring activities such as fire severity mapping.
  - Bring specialized equipment that assists in management of Wildland Fire Use.

**Unawweep FUM assisted in holding this road that was a  
Management Action Point  
on the Beefsteak WFU August 2004**





# UnawEEP Photo Documentation of Progress of Greasewood Wfu June 2004



# Why do you need extra documentation on WFU?

- Advantage of having a FUM document Weather, Fire Behavior and Smoke observations is it provides quality real time information to be used by FBAN and LTAN in making fire behavior predictions.
- Documentation can assist fire managers with predictions and implementation of WFU in future years within that FMU or similar FMU's.
- FUM documentation is standardized nationally.
- Samples of some of the WFU documentations are as follows-



# Fire Weather Observations

[illegible]

# SITE/STRUCTURE EVALUATION & PROTECTION PLANNING WORKSHEET

Site: \_\_\_\_\_ Name: \_\_\_\_\_

Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Legal: \_\_\_\_\_

Factors influencing rate of spread:

Slope: \_\_\_\_\_ Position on slope: \_\_\_\_\_ Aspect: \_\_\_\_\_

Fuel Model: \_\_\_\_\_ Fuel Continuity: \_\_\_\_\_ Ladder Fuels: \_\_\_\_\_

Remarks:

Resources:

Equipment on Site:

Available Barriers:

Access/Egress:

Occupancy (number, type, etc.):

Identified Protection Level:

1.		No Protection
2.		Handline construction concurrent with threatening fire
3.		Handline and burnout concurrent with threatening fire
4.		Fire shelter or water system protection concurrent with threatening fire
5.		Fugitive retardant drops concurrent with threatening Fire
6.		Use of heavy equipment for fireline construction Concurrent with threatening fire
7.		Site/Structure/Improvement pretreatment fuels Reduction of unnatural fuels prior to fire event A.Fuels Reduction B.Flammable material movement (firewood, etc.)

# Structure Assessment Work Sheet Continued

- **Roof Construction Type/Condition:**
- **Siding Material/Condition:**
- **Heat Traps:**
- **Foundation Type/Material/Condition:**
- **Windows:** **Type:**
- **Overhead Lines:**
- **Underground Lines:**
- **Fuel Storage (type/quantity/lines/shutoff):**
- **Outside Combustibles (firewood/deck/fences/etc.):**
- **Hazardous Materials:**
- **Septic Tank Location:**
- **Working Space – Minimum Clearance Guide:**
- **Photos Taken**
- **Other:**
- **Owner and Contact #'s:**
- **Attach a supplies list of critical equipment needed.**
- **Attach a map of the site showing water sources, shutoffs, buildings, etc.**
- **Completed by: \_\_\_\_\_ Date: \_\_\_\_\_ Initial or Updated**



# Vegetation Monitoring



# UnawEEP FUM Equipment

4 x 4 truck with trailer	1
4 x 4 crew carrier	1
046 stihl chainsaws	2
036 stihl chainsaws	4
066 stihl chainsaw	1
Drip torches	4
Laptop computer/fire and mapping software	4
Portable printer	1
Digital camera	2
Garmin GPS	3
Protimeter	1
Duff meter	1
DBH tapes	3
Clinometers	3

# UnawEEP FUM Equipment Continued

Kestrel 3000	2
Belt weather kits	5
Handtools	10
ATV's	2
ATV power torch	1
Fuel sampling supplies (saw, cans, etc.)	yes
Fuel Sample Drying oven	1
HOB0 Portable weather station	1
HOB0 Portable Temp/RH Sensor	2
Digital Video Camera	1
Radios	6
Cell phones	2
Satelite/cell phone	1
Helicopter flight helmets	2



# FUM Logistical Considerations

- **Most modules can be self sufficient several days at a time.**  
Modules have stoves, cooking equipment and food storage for buying groceries and cooking on site. Food costs are cheaper than MRE's.
- Modules have purchase cards and are able to **make there own travel and lodging arrangements.**
- **Modules are equipped to camp extended amounts of time in remote locations.**



# Ordering considerations for FUM

- Ordering units should contact incoming FUM leaders to:
  - Determine number of personnel.
  - Specify equipment to bring.
  - To allow for logistical planning.

# FUM and Prescribed Fire

- FUM can fill positions within a prescribed fire organization.
- Provide documentation of Fire Behavior, Weather, and Smoke.
  - Used to refine prescription.
  - Used to offer feedback to NWS to increase accuracy of spot weather forecasts.

Provide assist in all aspects of prescribed fire from planning to prep work.



# UnawEEP FUM Qualifications

- **Module Leader:** Ross Oxford 970-244-3119 phone
- **e-mail:** [ross\\_oxford@co.blm.gov](mailto:ross_oxford@co.blm.gov) 970-244-3124 fax
- 970-210-6166 cell
- **Qualifications:** ICT3, TFLD, STEN, CRWB, ENGB, HCWN, RXB2, RXI2, HEB2, & FUM2 (t)
- **Assistant Module Leader:** Lathan Johnson 970-244-3119 phone
- **e-mail:** [lathan\\_johnson@co.blm.gov](mailto:lathan_johnson@co.blm.gov) 970-244-3124 fax
- 970-210-6167 cell
- **Qualifications:** ICT4, ENGB, CRWB, HECM, RXI2, FALB, FLNV, RXB2(t),STCR (t), TFLD (t), & FEMO
- **5 Seasonal Module crewmembers:**
- **Qualifications:** Various (FFT2, FEMO, FALB, FFT1, ICT5, HECM)

